

## ABSTRACT OF THE DISCLOSURE

For detecting the temperature of a fluid, particularly a flowing liquid or gaseous medium, in the hollow space of a housing, a temperature-measuring element is provided that

- 5 can be connected to an evaluation device via a plug arrangement and is arranged in a protective tube of a sensor housing, which is closed on one side, and with a connection piece firmly affixed thereto. The protective tube projects at least with its tip into an opening of the hollow space that is sealed off from the outside atmosphere using an elastic O-ring. The temperature-measuring element is arranged in the region of the tip of the protective tube on one end of a
- 10 longitudinally extending circuit board and is connected via strip conductors to the plug arrangement that leads to the outside. The plug arrangement is surrounded by a screw sheath of the sensor housing, which is firmly connected to the protective tube and is provided with a threading that projects into the housing of the hollow space for the purpose of mounting.